

IMAGE ROTATION WITH SUBSTANTIALLY NO ALIASING ERROR

ABSTRACT OF THE DISCLOSURE

A system, method and program product for rotating a first image in an image buffer such
5 that the resulting, rotated image is substantially free of an aliasing error, i.e., broken lines, stair
stepped edges, etc., is disclosed. An algorithm is applied to the first image that uses weighted
sums of data points of the first image to create the rotated image. The weighting is based on the
skew angle and data point location of the first image. The resulting rotated image also has a
reduced data storage space requirement compared to rotated images created by prior art
techniques.